



Client: Exxon Mobil
 Well: SYU Offshore RMA System
 Basin/Field:
 State: California
 County/Parish:
 Case:
 Disclosure Type: Pre-Job
 Well Completed:
 Date Prepared: 10/24/2014 5:09 PM
 Report ID: RPT-31568

Fluid Description(s)		
Mud Acid 12.0:3.0	100,000 Gal	Contains: Water, Inhibitor Aid, Corrosion Inhibitor, Acid, Iron Control Agent, Mutual Solvent, Emulsion/Sludge Preventer, Acid Intensifier

The total volume listed in the tables above represents the summation of water and additives. Water is supplied by client.

CAS Number	Chemical Name	Mass Fraction
-	Water (Including Mix Water Supplied by Client)*	~ 80 %
7647-01-0	Hydrochloric acid	~ 16 %
1341-49-7	Ammonium hydrogendifluoride	~ 4 %
111-76-2	2-butoxyethanol	< 0.1 %
139-13-9	Nitrilotriacetic acid	< 0.1 %
64-18-6	Formic acid	< 0.1 %
27176-87-0	Dodecylbenzene sulfonic acid	< 0.01 %
67-56-1	Methanol	< 0.01 %
127036-24-2	Poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-, branched and linear	< 0.01 %
61790-12-3	Fatty acids, tall-oil	< 0.01 %
68527-49-1	Thiourea, polymer with formaldehyde and 1-phenylethanone	< 0.01 %
67-63-0	Propan-2-ol	< 0.01 %
6381-77-7	Sodium erythorbate	< 0.01 %
68951-67-7	Alcohols, C14-15, ethoxylated (7EO)	< 0.001 %
107-19-7	Prop-2-yn-1-ol	< 0.001 %
107-21-1	Ethylene Glycol	< 0.001 %
629-73-2	Hexadec-1-ene	< 0.001 %
68155-09-9	Coco-amido-propylamine oxide	< 0.001 %
112-88-9	1-Octadecene (C18)	< 0.0001 %
123-01-3	Dodecylbenzene (impurity)	< 0.0001 %
7664-93-9	Sulfuric acid (impurity)	< 0.0001 %
50-00-0	Formaldehyde	< 0.0001 %
Total		100%

* Mix water is supplied by the client. Schlumberger has performed no analysis of the water and cannot provide a breakdown of components that may have been added to the water by third-parties.